	Research Gra	nts for PhD students from	m the China Scholarship Council	
	Information Form	(please read the guidelines	carefully on the website www-csc.utt.fr)	
Supervisor's n	ame : Abdelouahe	d Giv	ven names : Lokmane	
Status (prof.,	assistant prof.,):	Maitre de conferences		
	LSPC		Website address :	
Laboratory :	20. 0		http://lspc.insa-rouen.fr/	
Institution:	INSA Rouen		Website address :	
			http://www.insa-rouen.fr/	
	petence of the super the supervised by a t		engineering and biological (Lokmane Abdelouahed,	
			mainly around the biomass valorization, bio-hydrogen	
		nisation, mathematical model		
		proposed for the PhD:	Asia Danamatana laftua maina tha Duaduatian at Mathana	
			lain Parameters Influencing the Production of Methane res-Hassimi,Lokmane Abdelouahed,Bechara)
Seawe			emical parameters of bean plant (Phaesolus vulgaris	
/			hemane, M Mansori, European Scientific Journal	
	ess of the personal pa		e.fr/citations?user=GLdui5YAAAAJ&hl=fr	
_	visor's email :	lokmane.abdelouahed@insaproposed for a PhD	a-rouen.fr Topic # (see list) : V-5	
Description	il die lesealch work	proposed for a FIID	Topic # (see list).	
Title : Biofue	l and bio-hydrogen p	roduction by microalgue: kinet	c study and optimization	
Subject :				
Objectives of	the project:			
microalgae. B	y aligning our researd	ch with the latest scientific adva	n production by harnessing the exceptional properties ancements, we aim to develop a process that offers	of
_	_	sustainability and energy efficie	· · · · ·	
adopting a bio the fight agair	omass-based approac nst climate change. S	ch, our project will contribute to econdly, by targeting green hy	search for several compelling reasons. Firstly, by mitigating greenhouse gas emissions, thus aiding in address the growing demand f	or
	enewable energy sou		for any actions of the control of th	
		, , ,	from microalgae, necessitating a comprehensive lowever, much of this research remains qualitative,	
			of in-depth comparative studies on various strains of	
_			perature, pH, light influence, and nutrient input) on	
_	•	•	esearch to industrial applications, including precise	
Kevwords:				
Biomass, biofu	uel, microalgae, kinet	ic, hydrogen, biorefinery		
Expected colla				
Collaboration engine)	with different local lab	ooratory of Rouen as COBRA	(for chemical analysis) and CORIA (use of biofuel in rea	al
	required from the apr		iology, or obomistry, Ideally, the seculidate at a three life.	
			iology, or chemistry. Ideally, the candidate should be varming and environmental issues	
	DDE (11		lv.	
Existence of a	a PDF file detailing the	e proposal ("yes" or "no") :	Yes	

Existence of a PDF file detailing the proposal ("yes" or "no"): (see guidelines on the website www-csc.utt.fr)